

- determine that at least one condition is present indicating the feasibility of the second radio unit for handling service to the first sector and the second sector; and reconfigure the second radio unit to provide service to the first sector.
2. The network node of claim 1, wherein:
when determining that the at least one condition is present, the one or more processors are further configured to determine that the second radio unit associated with a second sector is configured for at least one of a multi-input multi-output (MIMO) and cyclic delay diversity (CDD); and
when reconfiguring the second radio unit, the at least one processors are further configured to disable the MIMO or CDD configuration in the second radio unit.
3. The network node of claim 1, wherein, when determining that the at least one condition is present, the one or more processors are configured to determine that the second radio unit is not handling any emergency calls.
4. The network node of claim 1, wherein, when determining that the at least one condition is present, the one or more processors are configured to determine that the second radio unit is low loaded with specific user defined QCI sessions being less than a first predefined threshold.
5. The network node of claim 1, wherein, when determining that the physical resource block utilization by the first radio unit is less than a predefined threshold, the one or more processors are further configured to determine that a total number of physical resource block pairs used for data radio bearers in a downlink direction and a total number of physical resource block pairs used for data radio bearers in an uplink direction is equal to zero.
6. The network node of claim 1, wherein the one or more processors are further configured to:
reconfigure the second radio unit to provide service for all of the plurality of radio units; and
disable each of the plurality radio units other than the second radio unit.
7. A method for reducing power consumption in a network node including a plurality of radio units, comprising:
determining that physical resource block utilization by a first radio unit within the plurality of radio units is less than a predefined threshold;
determining that at least one condition is present indicating the feasibility of the second radio unit for handling service to the first sector and the second sector; and
reconfiguring the second radio unit to provide service to the first sector.
8. The method of claim 7, wherein:
determining that the at least one condition is present comprises determining that the second radio unit associated with a second sector is configured for at least one of a multi-input multi-output (MIMO) and cyclic delay diversity (CDD); and
reconfiguring the second radio unit comprises disabling the MIMO or CDD configuration in the second radio unit.
9. The method of claim 7, wherein determining that the at least one condition is present comprises determining that the second radio unit is not handling any emergency calls.
10. The method of claim 7, wherein determining that the at least one condition is present comprises determining that the second radio unit is low loaded with specific user defined QCI sessions being less than a first predefined threshold.
11. The method of claim 7, wherein determining that the physical resource block utilization by the first radio unit is less than a predefined threshold comprises determining that a total number of physical resource block pairs used for data radio bearers in a downlink direction and a total number of physical resource block pairs used for data radio bearers in an uplink direction is equal to zero.
12. The method of claim 10, further comprising:
reconfiguring the second radio unit to provide service for all of the plurality of radio units; and
disabling each of the plurality radio units other than the second radio unit.
13. A network node for reducing power consumption, comprising:
a transceiver comprising a plurality of radio units;
one or more processors; and
a non-transitory computer-readable storage medium further including computer-readable instructions that, when executed by the one or more processors, are configured to:
determine that physical resource block utilization by a first radio unit is less than a predefined threshold;
determine that the first radio unit is operating with a multi-input multi-output (MIMO) configuration;
determine that the number of active wireless devices service by the first radio unit is less than a second predefined threshold;
reconfigure the first radio unit to provide service for at least one of the plurality of radio units; and
disable the at least one of the plurality radio units other than the first radio unit.
14. The network node of claim 13, wherein the first predefined threshold comprises 30%.
15. The network node of claim 13, wherein determining that the number of active wireless devices serviced by the first radio unit is less than a second predefined threshold comprises determining that a number of mobile nodes active in an uplink direction and a number of mobile nodes active in the downlink direction are equal to zero.
16. The network node of claim 13, wherein:
reconfiguring the first radio unit to provide service for the at least one of the plurality of radio units comprises reconfiguring the first radio unit to provide service for all of the plurality of radio units other than the first radio unit; and
disabling the at least one of the plurality radio units other than the first radio unit comprises disabling all of the plurality of radio units other than the first radio unit.
17. The network node of claim 13, wherein the at least one processor is further configured to:
after the reconfiguration of the first radio unit and the disabling of the at least one of the plurality of radio units, determine that physical resource block utilization by a first radio unit is more than the predefined threshold; and
reconfigure the at least one of the plurality radio units that was disabled to enable it to provide service; and
reconfigure the first radio unit to not provide service for the at least one of the plurality of radio units that was previously disabled.
18. A method for reducing power consumption in a network node, comprising:
determining that physical resource block utilization by a first radio unit is less than a first predefined threshold;